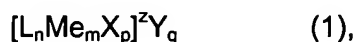


## IN THE CLAIMS

The text of all claims under examination is submitted, and the status of each is identified. This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (currently amended) A methodUse of oxidizing peroxide compounds comprising applying thereto a composition comprising

(i) at least one metal complex of formula (1)



wherein Me is manganese, titanium, iron, cobalt, nickel or copper,

X is a coordinating or bridging radical,

n and m are each independently of the other an integer having a value of from 1 to 8,

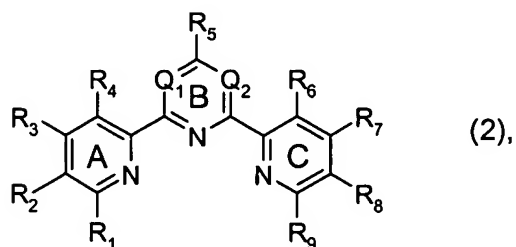
p is an integer having a value of from 0 to 32,

z is the charge of the metal complex,

Y is a counter-ion,

q = z/(charge of Y), and

L is a ligand of formula (2)



wherein

Q<sub>1</sub> is N or CR<sub>10</sub>,

Q<sub>2</sub> is N or CR<sub>11</sub>,

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> are each independently of the others hydrogen;

unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or unsubstituted or substituted aryl; cyano; halogen; nitro; -

COOR<sub>12</sub> or -SO<sub>3</sub>R<sub>12</sub> wherein

R<sub>12</sub> is in each case hydrogen, a cation or unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or unsubstituted or substituted aryl;

-SR<sub>13</sub>, -SO<sub>2</sub>R<sub>13</sub> or -OR<sub>13</sub> wherein

R<sub>13</sub> is in each case hydrogen or unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or unsubstituted or substituted aryl;

-NR<sub>14</sub>R<sub>15</sub>; -(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>; -N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub>; -(C<sub>1</sub>-C<sub>6</sub>alkylene)-N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub>; -N(R<sub>13</sub>)-(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>; -N[(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>]<sub>2</sub>; -N(R<sub>13</sub>)-(C<sub>1</sub>-C<sub>6</sub>alkylene)-N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub>; -N[(C<sub>1</sub>-C<sub>6</sub>alkylene)-N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub>]<sub>2</sub>; -N(R<sub>13</sub>)-N-R<sub>14</sub>R<sub>15</sub> or -N(R<sub>13</sub>)-N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub>, wherein

R<sub>13</sub> is as defined above and

R<sub>14</sub>, R<sub>15</sub> and R<sub>16</sub> are each independently of the other(s) hydrogen or unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or unsubstituted or substituted aryl, or

R<sub>14</sub> and R<sub>15</sub>, together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms,  
and

(ii) at least one polyphosphonate

~~as oxidation catalyst for peroxide compounds.~~

2. (currently amended) A method~~Use~~ according to claim 1, wherein Me is manganese, which is in oxidation state II, III, IV or V.

3. (currently amended) A method~~Use~~ according to ~~either~~ claim 1 ~~or claim 2~~, wherein X is CH<sub>3</sub>CN, H<sub>2</sub>O, F<sup>-</sup>, Cl<sup>-</sup>, Br<sup>-</sup>, HOO<sup>-</sup>, O<sub>2</sub><sup>2-</sup>, O<sup>2-</sup>, R<sub>17</sub>COO<sup>-</sup>, R<sub>17</sub>O<sup>-</sup>, LMeO<sup>-</sup> or LMeOO<sup>-</sup>, wherein R<sub>17</sub> is hydrogen or unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or aryl, and L and Me are as defined in claim 1.

4. (currently amended) A method~~Use~~ according to ~~any one of~~ claim ~~[[s]] 1 to 3~~, wherein Y is R<sub>17</sub>COO<sup>-</sup>, ClO<sub>4</sub><sup>-</sup>, BF<sub>4</sub><sup>-</sup>, PF<sub>6</sub><sup>-</sup>, R<sub>17</sub>SO<sub>3</sub><sup>-</sup>, R<sub>17</sub>SO<sub>4</sub><sup>-</sup>, SO<sub>4</sub><sup>2-</sup>, NO<sub>3</sub><sup>-</sup>, F<sup>-</sup>, Cl<sup>-</sup>, Br<sup>-</sup> or I<sup>-</sup>, wherein R<sub>17</sub> is hydrogen or unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or aryl.

5. (currently amended) A method~~Use~~ according to ~~any one of~~ claim ~~[[s]] 1 to 4~~, wherein n is an integer having a value of from 1 to 4, ~~especially 1 or 2~~.

6. (currently amended) A method~~Use~~ according to ~~any one of~~ claim ~~[[s]] 1 to 5~~, wherein m is an integer having a value of 1 or 2, ~~especially 1~~.

7. (currently amended) A method~~Use~~ according to ~~any one of~~ claim ~~[[s]] 1 to 6~~, wherein

p is an integer having a value of from 0 to 4, especially 2.

8. (currently amended) ~~A method~~Use according to ~~any one of claim~~[[s]] 1 to 7, wherein z is an integer having a value of from 8- to 8+.

9. (currently amended) ~~A method~~Use according to claim 1 to 8, wherein

R<sub>5</sub> is C<sub>1</sub>-C<sub>12</sub>alkyl; phenyl unsubstituted or substituted by C<sub>1</sub>-C<sub>4</sub>alkyl, C<sub>1</sub>-C<sub>4</sub>alkoxy, halogen, cyano, nitro, carboxy, sulfo, hydroxy, amino, N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, N-phenylamino, N-naphthylamino, phenyl, phenoxy or by naphthyloxy; cyano; halogen; nitro; -COOR<sub>12</sub> or -SO<sub>3</sub>R<sub>12</sub>

wherein R<sub>12</sub> is in each case hydrogen, a cation, C<sub>1</sub>-C<sub>12</sub>alkyl, unsubstituted phenyl or phenyl substituted as indicated above; -SR<sub>13</sub>, -SO<sub>2</sub>R<sub>13</sub> or -OR<sub>13</sub>

wherein R<sub>13</sub> is in each case hydrogen, C<sub>1</sub>-C<sub>12</sub>alkyl, unsubstituted phenyl or phenyl substituted as indicated above; -N(R<sub>13</sub>)-NR<sub>14</sub>R<sub>15</sub>

wherein R<sub>13</sub> is as defined above and R<sub>14</sub> and R<sub>15</sub> are each independently of the other hydrogen, unsubstituted or hydroxy-substituted C<sub>1</sub>-C<sub>12</sub>alkyl, unsubstituted phenyl or phenyl substituted as indicated above,

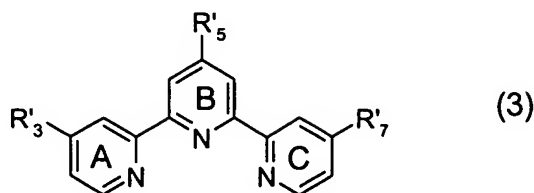
or R<sub>14</sub> and R<sub>15</sub>, together with the nitrogen atom linking them, form an unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted pyrrolidine, piperidine, piperazine, morpholine or azepane ring;

-NR<sub>14</sub>R<sub>15</sub> or -N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub> wherein R<sub>14</sub>, R<sub>15</sub> and R<sub>16</sub> are each independently of the other(s) hydrogen, unsubstituted or hydroxy-substituted C<sub>1</sub>-C<sub>12</sub>alkyl, unsubstituted phenyl or phenyl substituted as indicated above,

or R<sub>14</sub> and R<sub>15</sub>, together with the nitrogen atom linking them, form an unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted pyrrolidine, piperidine, piperazine, morpholine or azepane ring; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkyl-N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub> unsubstituted or substituted by hydroxy in the alkyl moiety, wherein R<sub>14</sub>, R<sub>15</sub> and R<sub>16</sub> are each independently of the others hydrogen, unsubstituted or hydroxy-substituted C<sub>1</sub>-C<sub>12</sub>alkyl, unsubstituted phenyl or phenyl substituted as indicated above,

or R<sub>14</sub> and R<sub>15</sub>, together with the nitrogen atom linking them, form a pyrrolidine, piperidine, piperazine, morpholine or azepane ring which is unsubstituted or substituted by at least one C<sub>1</sub>-C<sub>4</sub>alkyl or by at least one unsubstituted C<sub>1</sub>-C<sub>4</sub>alkoy and/or substituted C<sub>1</sub>-C<sub>4</sub>alkyl, wherein the nitrogen atom may be quaternised; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkyl-NR<sub>14</sub>R<sub>15</sub> unsubstituted or substituted by hydroxy in the alkyl moiety, wherein R<sub>14</sub> and R<sub>15</sub> may have any one of the above meanings.

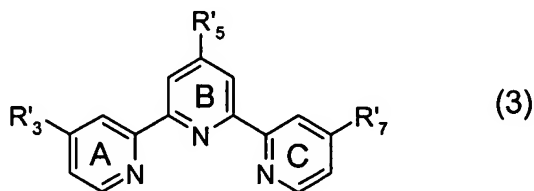
10. (currently amended) ~~A method~~Use according to claim 1 to 9, wherein L have the following formula (3)



wherein

R'<sub>3</sub> and R'<sub>7</sub> are independently from each other hydrogen; C<sub>1</sub>-C<sub>4</sub>alkoxy; hydroxy; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, wherein the nitrogen atoms, ~~especially the nitrogen atoms that are not bonded to one of the rings A, B and/or C,~~ may be quaternised; or a pyrrolidine, piperidine, piperazine, morpholine or azepane ring unsubstituted or substituted by at least one C<sub>1</sub>-C<sub>4</sub>alkyl, wherein the amino groups may be quaternised, R'<sub>5</sub> is C<sub>1</sub>-C<sub>4</sub>alkoxy; hydroxy; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, wherein the nitrogen atoms, ~~especially the nitrogen atoms that are not bonded to one of the rings A, B and/or C,~~ may be quaternised; or a pyrrolidine, piperidine, piperazine, morpholine or azepane ring unsubstituted or substituted by at least one C<sub>1</sub>-C<sub>4</sub>alkyl, wherein the amino groups may be quaternised.

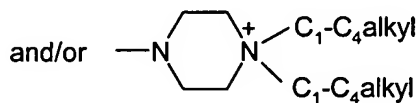
11. (currently amended) ~~A method~~Use according to claim 4 to 10, wherein L have the following formula (3)



wherein

R'<sub>3</sub> and R'<sub>7</sub> are independently from each other hydrogen; C<sub>1</sub>-C<sub>4</sub>alkoxy; hydroxy; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, wherein the nitrogen atoms, ~~especially the nitrogen atoms that are not bonded to one of the rings A, B and/or C,~~ may be

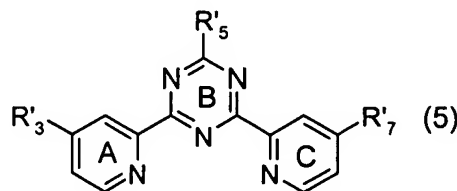
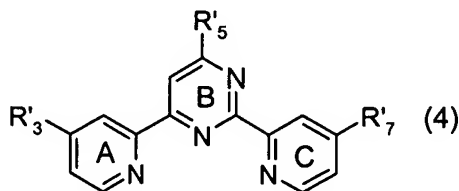
(i) at least one of the substituents R<sub>3</sub>, R<sub>5</sub> and R<sub>7</sub> is one of the radicals



**C<sub>18</sub>alkyl or unsubstituted or substituted aryl and**

unsubstituted or substituted and wherein the piperazine ring may be unsubstituted or substituted.

formula (4) and/or (5)



wherein

R'<sub>5</sub> is C<sub>1</sub>-C<sub>4</sub>alkoxy; Cl; hydroxy; phenyl; phenyl substituted by OC<sub>1</sub>-C<sub>2</sub>alkyl, OH or C<sub>1</sub>-C<sub>4</sub>alkyl; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety; or -NR<sub>14</sub>R<sub>15</sub>; -(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>;

-N(R<sub>13</sub>)-(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>; -N[(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>]<sub>2</sub>; or -N(R<sub>13</sub>)-N-R<sub>14</sub>R<sub>15</sub>, wherein

R<sub>13</sub> is hydrogen; C<sub>1</sub>-C<sub>12</sub>alkyl or unsubstituted phenyl or phenyl substituted by (substituted in the alkyl moiety by hydroxy) N-mono- or

N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino-, N-phenylamino-, N-naphthylamino-, phenyl-, phenoxy- or naphthyloxy, and

R<sub>14</sub> and R<sub>15</sub> are each independently of the other hydrogen, unsubstituted or hydroxy-substituted C<sub>1</sub>-C<sub>12</sub>alkyl, unsubstituted phenyl or phenyl substituted as indicated above, or

R<sub>14</sub> and R<sub>15</sub>, together with the nitrogen atom linking them, form a pyrrolidine, piperidine, piperazine, morpholine or azepane ring that is unsubstituted or substituted by at least one unsubstituted C<sub>1</sub>-C<sub>4</sub>alkyl and/or substituted C<sub>1</sub>-C<sub>4</sub>alkyl, ~~especially a pyrrolidine, piperidine, piperazine, morpholine or azepane ring,~~ and

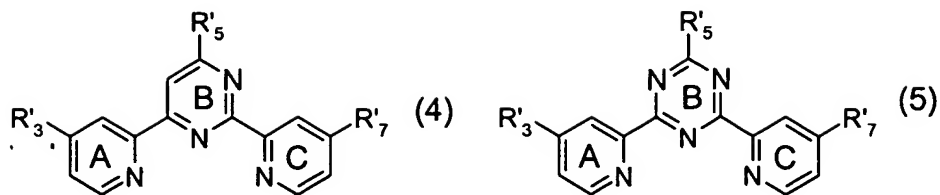
R'<sub>3</sub> and R'<sub>7</sub> are each independently of the other hydrogen; C<sub>1</sub>-C<sub>4</sub>alkoxy; Cl; hydroxy; phenyl; phenyl substituted by OC<sub>1</sub>-C<sub>2</sub>alkyl, OH or C<sub>1</sub>-C<sub>4</sub>alkyl; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino substituted by hydroxy in the alkyl moiety; or -NR<sub>14</sub>R<sub>15</sub>; -(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>; -N(R<sub>13</sub>)-(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>; -N[(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>14</sub>R<sub>15</sub>]<sub>2</sub>; or -N(R<sub>13</sub>)-N-R<sub>14</sub>R<sub>15</sub>, wherein

R<sub>13</sub> is hydrogen; C<sub>1</sub>-C<sub>12</sub>alkyl or unsubstituted phenyl or phenyl substituted by (substituted in the alkyl moiety by hydroxy) N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino-, N-phenylamino-, N-naphthylamino-, phenyl-, phenoxy- or naphthyloxy, and

R<sub>14</sub> and R<sub>15</sub> are each independently of the other hydrogen; unsubstituted or hydroxy-substituted C<sub>1</sub>-C<sub>12</sub>alkyl, unsubstituted phenyl or phenyl substituted as indicated above, or

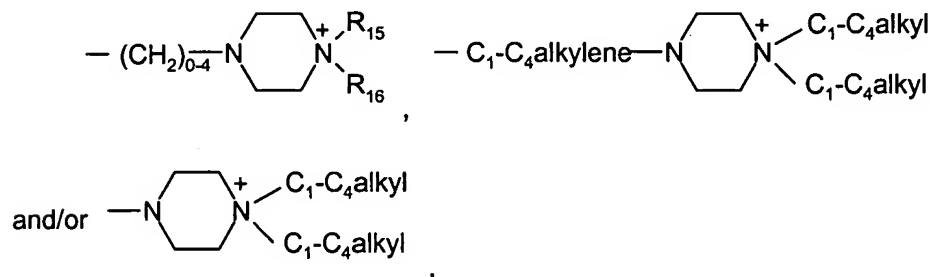
R<sub>14</sub> and R<sub>15</sub>, together with the nitrogen atom linking them, form a pyrrolidine, piperidine, piperazine, morpholine or azepane ring that is unsubstituted or substituted by at least one unsubstituted C<sub>1</sub>-C<sub>4</sub>alkyl and/or substituted C<sub>1</sub>-C<sub>4</sub>alkyl, ~~especially a pyrrolidine, piperidine, piperazine, morpholine or azepane ring.~~

13. (currently amended) A method Use according to claim ~~12~~ 11 to ~~9~~ 9, wherein L have the following formula (4) and/or (5)



wherein  $R'_3$  and  $R'_7$  are independently from each other hydrogen;  $C_1$ - $C_4$ alkoxy; Cl; hydroxy; phenyl; phenyl substituted by  $OC_1$ - $C_2$ alkyl, OH or  $C_1$ - $C_4$ alkyl; N-mono- or N,N-di- $C_1$ - $C_4$ alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, wherein the nitrogen atoms, especially the nitrogen atoms that are not bonded to one of the rings A, B and/or C, may be quaternised; or a pyrrolidine, piperidine, piperazine, morpholine or azepane ring unsubstituted or substituted by at least one  $C_1$ - $C_4$ alkyl, wherein the amino groups may be quaternised,  $R'_5$  is  $C_1$ - $C_4$ alkoxy; Cl; hydroxy; phenyl; phenyl substituted by  $OC_1$ - $C_2$ alkyl, OH or  $C_1$ - $C_4$ alkyl; N-mono- or N,N-di- $C_1$ - $C_4$ alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, wherein the nitrogen atoms, especially the nitrogen atoms that are not bonded to one of the rings A, B and/or C, may be quaternised; or a pyrrolidine, piperidine, piperazine, morpholine or azepane ring unsubstituted or substituted by at least one  $C_1$ - $C_4$ alkyl, wherein the amino groups may be quaternised, with the proviso that

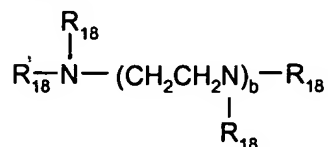
- (i) at least one of the substituents  $R'_3$ ,  $R'_5$  and  $R'_7$  is one of the radicals



wherein  $R_{15}$  and  $R_{16}$  are independently from each other hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or unsubstituted or substituted aryl and

wherein the unbranched or branched alkylene group may be unsubstituted or substituted, and wherein the  $C_1$ - $C_4$ alkyl groups, which are branched or unbranched independently of one another, may be unsubstituted or substituted and wherein the piperazine ring may be unsubstituted or substituted.

14. (currently amended) A method~~Use according to any of the preceding claim~~[s]] 1 wherein at least one polyphosphonate of the formula



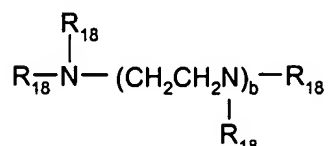
wherein

$R_{18}$  is  $CH_2PO_3H_2$  or a water soluble salt thereof and

$b$  is an integer of the value 0, 1, 2 or 3

is used.

15. (currently amended) A method~~Use according to any of the preceding claim~~[s]] 14 wherein at least one polyphosphonate of the formula



wherein

$R_{18}$  is  $CH_2PO_3H_2$  or a water soluble salt thereof and

$b$  is an integer of the value 1

is used.

16. (currently amended) A method~~Use according to any one of claim~~[s]] 1 to 15 for the bleaching of stains or of soiling on textile material, or for the prevention of redeposition of migrating dyes, or for the cleaning of hard surfaces.

17. (currently amended) A method~~Use according to any one of claim~~[s]] 1 to 15, wherein the metal complex compounds of formula (1) are used as catalysts for reactions using peroxo acids or their precursors for bleaching in the context of paper making.

18. (currently amended) A method~~Use according to any one of claim~~[s]] 1 to 15, wherein the metal complex compounds of formula (1) are used in detergent, cleaning, disinfecting or bleaching compositions.

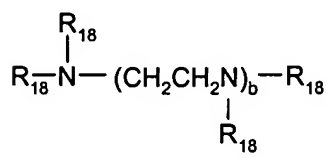


19. (currently amended) A methodUse according to claim 18, wherein the metal complex compounds of formula (1) are formed *in situ* in the detergent, cleaning, disinfecting or bleaching composition.

20. (currently amended) A detergent, cleaning, disinfecting or bleaching composition containing

- I) from 0 to 50% by weight, ~~preferably from 0 to 30% by weight~~, A) of at least one anionic surfactant and/or B) of a non-ionic surfactant,
- II) from 0 to 70% by weight, ~~preferably from 0 to 50% by weight~~, C) of at least one builder substance,
- III) 1 - 99 %, ~~preferably 1 - 50 %~~, D) of at least one peroxide and/or at least one peroxide-forming substance,

IV) 0.01 - 10% by weight, ~~preferably 0.1 - 5% by weight~~ E) of at least one polyphosphonate of the formula



wherein

R<sub>18</sub> is CH<sub>2</sub>PO<sub>3</sub>H<sub>2</sub> or a water soluble salt thereof and

b is an integer of the value 0, 1, 2 or 3 as defined in claims 14 and 15,

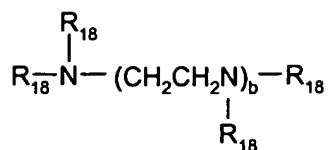
V) F) at least one metal complex compound of formula (1) as defined in claim ~~[[s]] 1-13~~ in an amount that, in the liquor, gives a concentration of from 0.5 to 100 mg/litre of liquor, ~~preferably from 1 to 50 mg/litre of liquor~~, when from 0.5 to 20 g/litre of the detergent, cleaning, disinfecting or bleaching agent are added to the liquor, and

VI) water ad 100% by weight,

wherein the percentages are in each case percentages by weight, based on the total weight of the composition.

21. (currently amended) A solid formulation containing

- a) from 1 to 99% by weight, ~~preferably from 1 to 40% by weight, especially from 1 to 30% by weight~~, of at least one metal complex compound of formula (1) as defined in claim ~~[[s]] 1-13~~,
- b) from 0.01 - 10% by weight, ~~preferably 0.1 - 5% by weight~~, E) of at least one polyphosphonate of the formula



wherein  $R_{18}$  is  $CH_2PO_3H_2$  or a water soluble salt thereof and b is an integer of the value 0, 1, 2 or 3 as defined in claims 14 and 15,

- ~~c) from 1 to 99% by weight, preferably from 10 to 99% by weight, especially from 20 to 80% by weight,~~ of at least one binder,
- ~~d) from 0 to 20% by weight, especially from 1 to 20% by weight,~~ of at least one encapsulating material,
- e) from 0 to 20% by weight of at least one further additive and
- f) from 0 to 20% by weight water.

22. (original) A solid formulation according to claim 21, which is in the form of granules.